

# CHRISTIAN D. GERBER

## SUMMARY

Experienced Senior Software Engineer who has delivered solutions in TypeScript, Angular, Java, and Python. Proven track record in enhancing code quality, advocating Agile methodologies, and fostering teamwork. Currently contributing to General Dynamics Mission Systems with a focus on innovative solutions.

## PROFESSIONAL EXPERIENCE

### SENIOR SOFTWARE ENGINEER

### GENERAL DYNAMICS MISSION SYSTEMS

#### NOV 2020 – PRESENT

- Developed and successfully shipped multiple web applications utilizing Typescript, Angular, RxJS, Java, Cesium, and GoLang.
- Demonstrated complete ownership over a multi-module command and control system, overseeing cross-functional teams to achieve program goals for a customer event, ensuring high-impact results and customer satisfaction.
- Maintained the DevOps pipeline for Android and Angular projects using GitLab.
- Exhibited expertise, confidence, and discipline in identifying and improving code quality by effectively refactoring inefficient code, adhering to code quality standards, and iteratively refining code for optimal solutions.
- Demonstrated strong attention to detail and commitment to quality in code reviews by empowering others to improve the product on merge requests, contributing to the timely delivery of high-quality code.
- Integrated an Angular web application, Android application, and a Serial Device and performed Integration Tests on them to ensure reliability and efficiency of the software applications
- Displayed accountability by taking lead on a critical demo ensuring that it was complete on time and met the stakeholders' expectations.
- Participated on a team that made decisions regarding the system design and architecture and documented that design using SysML.
- Advocated for adoption of Agile across projects, demonstrating a growth mindset by actively participating in team retrospectives to ensure optimal project management practices.
- Utilized strong communication skills during software demos to clarify complex technical ideas to non-technical stakeholders.
- Completed SAFe Agile Scrum Master Training and earned certification as a Scrum Master.

### SOFTWARE ENGINEER

### DO IT BEST CORP

#### MAY 2020 – NOV 2020

- Developed software for the new warehouse management system going into production in eight warehouses across the nation.
- Developed stream processor applications in the Kafka Platform using Java to integrate SQL databases and C# REST APIs for enterprise use.

**CONTRACTOR/INTERN****VOCERA COMMUNICATIONS****MAY 2019 – DEC 2019**

- Developed test software to verify the integrity of the Vocera Platform
- Used behavior driven development (Gherkin Framework) in Python to test the platform appliances using Unix Commands and PostgreSQL
- Verified the acceptance criteria of user stories and collaborated with platform developers to create a test plan as well as find edge cases within the functionality.
- Used Docker to containerize test applications (e.g. HL7 message protocol simulator) to support efficient deployment and use of test applications
- Peer reviewed team member's code in BitBucket to verify user stories were satisfied, major defects were identified and to ensure code has met software development standards.
- Created tools to enhance the testing framework, such as creating a multi-threaded application to collect performance metrics from the appliance.

---

**EDUCATION****MASTER OF COMPUTER SCIENCE****4.00 GPA****UNIVERSITY OF ILLINOIS****MAY 2023**

- Studied and gained expertise in various aspects of data science, including machine learning, natural language processing, database systems, data visualization, internet of things, data curation, cloud computing, and data cleaning.

**COMPUTER SCIENCE, B.S.****3.56 GPA****PURDUE UNIVERSITY****JUNE 2020**

- Senior Capstone: Collaborated with corporate sponsor Intellectual Technology Incorporated to work on a deployment agent for their BMV Self-Service Terminals. Used Angular, HTML and C# to develop a web interface and API for the deployment application.

---

**SKILLS**

- Programming Languages:
  - Advanced: Typescript, Python, Javascript, Java
  - Proficient: C#,
  - Basic: GoLang, C, C++
- Databases: Microsoft SQL, PostgreSQL, MySQL
- Tools: Git, Jira, Azure Dev Ops, GitLab
- Technologies: Angular, Kafka, RxJS, Cesium, Gherkin
- Platforms: Microsoft Windows, Mac OS, Linux
- Mathematics: Advanced knowledge of calculus with experience in applying it to complex algorithms and data analysis